

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE INSTALLATION OF LED COUNTDOWN PEDESTRIAN SIGNAL HEADS, APS PUSHBUTTONS AND SIGNS AND REPLACING LOOP DETECTORS AT THE INTERSECTION OF MD 337 (ALLENTOWN ROAD) AND COMMAND DRIVE IN PRINCE GEORGES COUNTY. MD 337 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THIS INTERSECTION CURRENTLY OPERATES IN A NEMA SEVEN-PHASE FULL-TRAFFIC-ACTUATED MODE WITH EXCLUSIVE LEFT TURN PHASES FOR NORTH AND SOUTH BOUND MD 337 AND AN ALTERNATE PEDESTRIAN PHASE FOR THE SOUTH LEG OF THE INTERSECTION. NO PHASE CHANGES ARE PROPOSED AS PART OF THIS PROJECT.

CONTROLLER REQUIREMENTS

THE EXISTING FULL-TRAFFIC-ACTUATED EIGHT PHASE TRAFFIC SIGNAL CONTROLLER HOUSED IN A BASE MOUNTED CABINET WILL BE USED. AN APS CENTRAL CONTROL UNIT WILL BE INSTALLED BY THE CONTRACTOR

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
5005	12 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS	LF	415
5006	REMOVAL OF EXISTING PERMANENT PAVEMENT LINE MARKINGS - ANY WIDTH	LF	87
8002	AUDIBLE / TACTILE PEDESTRIAN PUSHBUTTON	EA	2
8004	LED 16 INCH COUNTDOWN PEDESTRIAN SIGNAL	EA	2
8005	PEDESTRIAN EDUCATION SIGN. 2 - R10-4(1) MOD (9"X15" - ALLENTOWN RD.)	EA	2
*8006	REMOVE AND DISPOSE PER ASSIGNMENT	EA	1
8013	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)	LF	775
8014	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)	LF	410
NEG	INSTALL GROUND MOUNTED SIGN	SF	25.4
NEG	APS CENTRAL CONTROL UNIT	EA	1
NEG	LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO. 14 AWG)	LF	850
NEG	SAW CUT FOR SIGNAL (LOOP DETECTOR)	LF	230
NEG	1 INCH DIAMETER RIGID STEEL CONDUIT, SCHEDULE 40	LF	25
NEG	WOOD SIGN SUPPORT 4 INCH X 4 INCH	LF	60
NEG	ADJUST EXISTING HANDHOLE	EA	2

PHASING CHART

NO PHASE CHANGE

* REMOVE AND DISPOSE ITEM IS FOR ALL SIGNALS WHICH ARE PART OF THIS TASK. MOT QUANTITY IS COVERED AS PART OF THE SIDEWALK PLANS.

EQUIPMENT LIST "C"

C. EQUIPMENT TO BE REMOVED BY THE CONTRACTOR AND RETURNED TO SHA. ALL MATERIALS AND EQUIPMENT REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

CONTACT PERSONS FOR DISTRICT # 3 ARE AS FOLLOWS:

MR. BRIAN YOUNG
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PHONE: (301) 513-7358

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MR. WAYNE A. MOWDY
ASSISTANT DISTRICT ENGINEER-MAINTENANCE
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CONTACT PERSONS FOR OOTS ARE AS FOLLOWS:

MR. RICHARD L. DAFF, SR.
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MR. ED RODENHIZER
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410-787-7650

MR. EUGENE BAILEY
CHIEF, SIGN OPERATIONS
410-787-7676

THE POWER COMPANY IS:

PEPCO
ROCKVILLE SERVICE CENTER
201 WEST GUDE DRIVE
ROCKVILLE, MD 20850
301-670-8700

EQUIPMENT LIST "A"

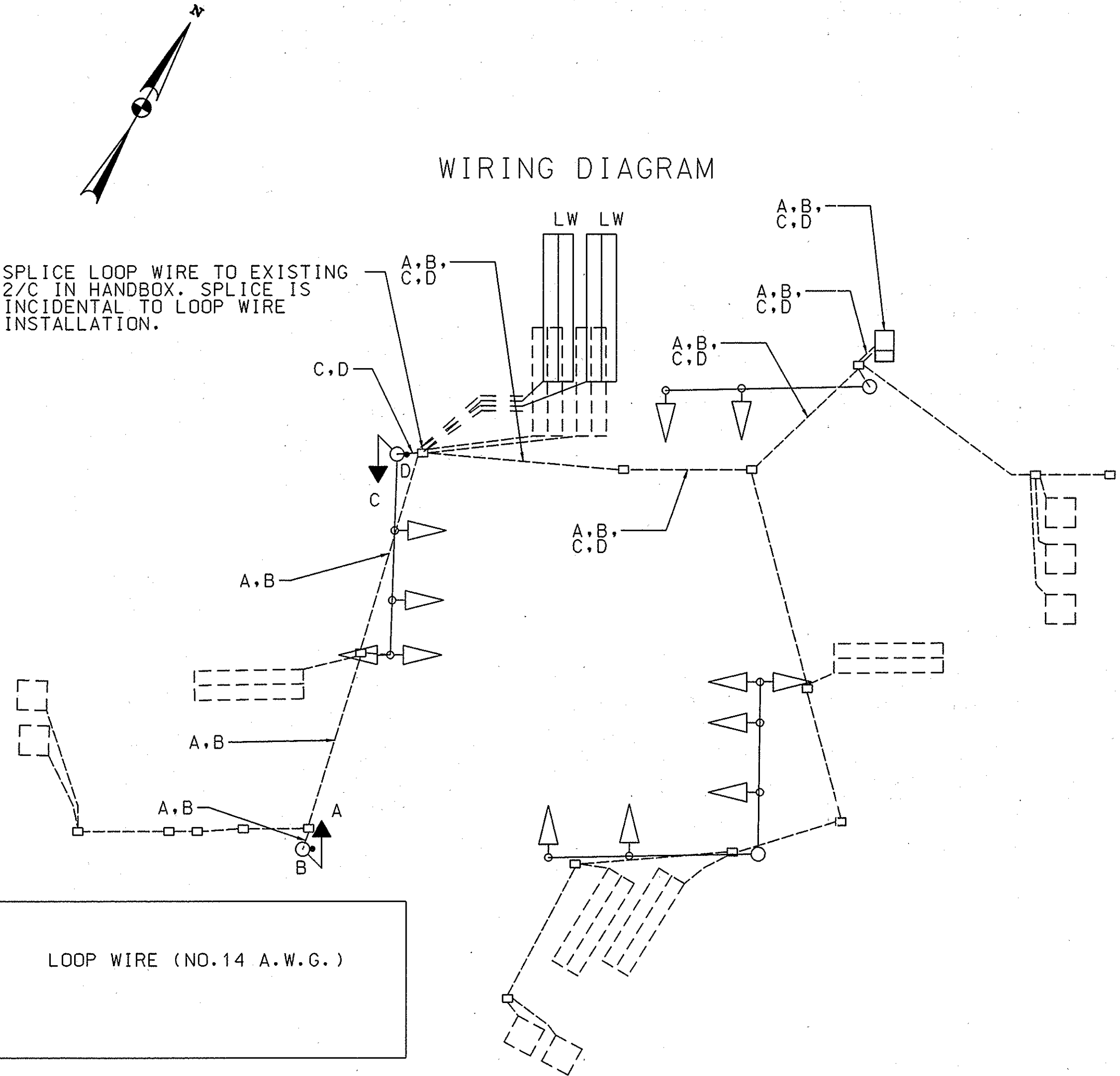
A. EQUIPMENT TO BE SUPPLIED BY THE SHA.

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
9570	SHEET ALUMINUM SIGNS - GROUND MOUNT CONSISTING OF:	SF	25.4
	2 - W11-2 (36"X36") FY		
	2 - M6-2 (21"X15") FY		
	1 - R4-7(2) (18"X24")		

WIRING KEY

A.C	5-CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)	LW	LOOP WIRE (NO.14 A.W.G.)
B.D	2-CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)		

WIRING DIAGRAM



SHA CONSTRUCTION NO. PG586A51



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 337 (ALLETTOWN ROAD) AT
COMMAND DRIVE
CAMP SPRINGS, MARYLAND

GENERAL INFORMATION SHEET

SCALE NA DATE APRIL, 2007 CONTRACT NO. AX1785133

DESIGNED BY MRB COUNTY PRINCE GEORGE'S
DRAWN BY MRB LOGMILE I6033701.12
CHECKED BY D.EBY TMS NO. I-509
FAP NO. TOD NO.

TS NO. 598E-GI DRAWING - OF SHEET NO. 19 OF 23



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